L Number	Hits	Search Text	DB	Time stamp
•	447	381/77.ccls.	USPAT;	2004/03/02 14:12
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	118	381/71.7.ccls.	USPAT;	2004/03/02 14:12
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	34	381/71.7.ccls. and piezoelectr\$5	USPAT;	2004/03/02 14:25
		, , , , , , , , , , , , , , , , , , , ,	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	5	(381/71.7.ccls. and piezoelectr\$5) and (node nodla	USPAT;	2004/03/02 14:26
		antinod\$3)	US-PGPUB;	200 1/03/02 11.20
			EPO; JPO;	
	7	/701/71 7 cds and alamatic tub () and (and a second	DERWENT	0004/07/00 14 00
-	/	(381/71.7.ccls. and piezoelectr\$5) and (node nodal	USPAT;	2004/03/02 14:29
		antinod\$3)	US-PGPUB;	
Į			EPO; JPO;	
			DERWENT	
-	338	381/354.ccls.	USPAT;	2004/03/02 14:30
İ			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	20	381/354.ccls. and (piezo piezoelectric\$5)	USPAT;	2004/03/02 14:39
		,	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	1	2414489.URPN.	USPAT	2004/03/02 14:32
_	591	antinod\$3 and piezoelectric\$5	USPAT;	2004/03/02 15:44
	371	ananoaps and piezociecateps	US-PGPUB;	2004/03/02 13.44
			EPO; JPO;	
			DERWENT	
_	459	(antinod\$3 and piezoelectric\$5) and (panel board resona\$5)		2004/07/02 14 40
-	737	(anunous and piezoeiecurcs) and (paner board resonass)	USPAT;	2004/03/02 14:40
			US-PGPUB;	
			EPO; JPO;	
	000		DERWENT	
-	220	((antinod\$3 and piezoelectric\$5) and (panel board	USPAT;	2004/03/02 15:26
	,	resona\$5)) and (cancel\$4 absorb\$3 attenuat\$3)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	31	((antinod\$3 with piezoelectric\$5) and (panel board	USPAT;	2004/03/02 15:15
		resona\$5)) and (cancel\$4 absorb\$3 attenuat\$3)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	0	smart adj panel and \$4speaker	USPAT;	2004/03/02 15:15
		•	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	0	smart adj panel and \$4speaker	USPAT:	2004/03/02 15:16
	•	similar and barret and a tahenter	US-PGPUB;	2001/03/02 13:10
			EPO; JPO;	
			DEDIMENT	
_	5022	nanel with \$4cneaker	DERWENT	2004/07/00 15 17
-	5922	panel with \$4speaker	USPAT;	2004/03/02 15:17
-	5922	panel with \$4speaker	USPAT; US-PGPUB;	2004/03/02 15:17
-	5922	panel with \$4speaker	USPAT; US-PGPUB; EPO; JPO;	2004/03/02 15:17
-			USPAT; US-PGPUB; EPO; JPO; DERWENT	
-	5922 67	panel with \$4speaker 381/164.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT;	
-			USPAT; US-PGPUB; EPO; JPO; DERWENT	
-			USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT;	2004/03/02 15:17

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	970	701/1F0 -	· CICD A T	
-	268	381/152.ccls.	USPAT;	2004/03/02 15:26
			US-PGPUB;	
			EPO; JPO;	
		701/150	DERWENT	0004/07/00 45 04
-	57	381/152.ccls. and (cancel\$4 absorb\$3 attenuat\$3)	USPAT;	2004/03/02 15:26
	İ		US-PGPUB;	
!			EPO; JPO;	
			DERWENT	
-	4	(	USPAT;	2004/03/02 15:28
		antinod\$3	US-PGPUB;	
1			EPO; JPO;	
			DERWENT	
-	90	"new transducers limited"	USPAT;	2004/03/02 15:30
			US-PGPUB;	
	:		EPO; JPO;	
			DERWENT	
-	79	"new transducers limited".asn.	USPAT;	2004/03/02 15:31
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	206	azima.in.	USPAT;	2004/03/02 15:31
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	90	"azima, henry".in.	USPAT;	2004/03/04 07:47
		, ,	US-PGPUB;	
			EPO; JPO;	
		·	DERWENT	
-	. 13	"KIM, JAE-HWAN".in.	USPAT;	2004/03/02 15:35
		, , , , , , , , , , , , , , , , , , ,	US-PGPUB;	2001.03.02 13.33
			EPO; JPO;	
			DERWENT	
-	24	"KIM, JAE HWAN".in.	USPAT;	2004/03/02 15:35
		, , ,	US-PGPUB;	200 11 03 02 13 13
<b> </b>			EPO; JPO;	
			DERWENT	
-	10	antinod\$3 and piezoelectric\$5 and 381/\$.ccls.	USPAT;	2004/03/02 15:37
			US-PGPUB;	200 00. 02 10.07
			EPO; JPO;	
			DERWENT	
-	284	anti adj nod\$2 and piezoelectric\$5	USPAT;	2004/03/02 15:45
		and any new and presented to the	US-PGPUB;	200 1/03/02 13.73
			EPO; JPO;	
			DERWENT	
-	809	(anti adj nod\$2 antinod\$2) and piezoelectric\$5	USPAT;	2004/03/02 15:49
		, and months amanours, and presourcement	US-PGPUB;	200 1/03/02 13:77
			EPO; JPO;	
			DERWENT	
	30	(anti adj nod\$2 antinod\$2) and piezoelectric\$5 and	USPAT;	2004/03/02 16:22
	30	381/\$.ccls.	US-PGPUB;	2007/03/02 10:22
			EPO; JPO;	
			DERWENT	
	421	bending adj wave	USPAT;	2004/03/02 16:01
	721	bending adj wave	US-PGPUB;	2007/03/02 10:01
			EPO; JPO;	
<u>-</u>		(handing adi waya) and noice	DERWENT	2004/07/09 15 57
-	53	(bending adj wave) and noise	USPAT;	2004/03/02 15:57
			US-PGPUB;	
			EPO; JPO;	
_	6	4527771 LIDDNI	DERWENT	2004/07/09 17 00
Ĺ <u> </u>	0	4527371.URPN.	USPAT	2004/03/02 16:00

Diezoelectric\$4    U.S-P.GPUB; EPO; IPO; DERWENT U.SPAT; plezoelectric\$4  plezoelectric\$4  and (absorb\$ cancel\$4 attenuat\$3)   U.S-P.GPUB; EPO; IPO; DERWENT U.SPAT; U.S-P.GPUB; EPO;					
19	•	126	bending adj wave and (piezo piezo adj electric\$4 piezoelectric\$4)	USPAT; US-PGPUB;	2004/03/02 16:07
19   (bending adj wave and (plezo piezo adj electric\$4 plezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)   USPAT; USPA					
Deizoelectric\$4) and noise		10	/hdi		2004/07/00 1/ 0/
Seminary   Seminary	· ,	19			2004/03/02 16:06
DERWENT   2004/03/02 16:10   DERWENT   1920electric\$4   plezoelectric\$4   plezoelectric\$4   plezoelectric\$4   plezoelectric\$4   plezoelectric\$4   plezoelectric\$4   plezoelectric\$4   plezoelectric\$4   and (absorb\$ cancel\$4 attenuat\$3)   EBWENT   USPAT; USPCPUB; EPO; PO; DERWENT   USPAT; USPCPUB; EPO; PO; DERWENT   USPAT; USPCPUB; EPO; PO; DERWENT   USPAT;			piezoeiecuic\$ +// and noise	,	
piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)					
942 (bending standing) adj wave and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)  942 (bending standing) adj wave and (piezo piezo adj electric\$4 plezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)  945 ((bending standing) adj wave and (piezo piezo adj electric\$4 plezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccts. audio audible sound music)  946 ((bending standing) adj wave distributed adj mode) and (piezo piezo adj electric\$4 plezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (piezo piezo adj electric\$4) and (absorb\$ cancel\$4 attenuat\$3) and (piezo piezo adj electric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3) and	-	56	bending adj wave and (piezo piezo adj electric\$4	[	2004/03/02 16:10
P42			piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)		
942					
Piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)	_	042	(banding standing) adi wayo and (piezo piezo adi electric <sup>‡</sup> A		2004/07/02 14:10
942 (bending standing) adj wave and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)		772			2004/03/02 10:10
942   (bending standing) adj wave and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)   USPAT; US-PGPUB; EPO; PO; DERWENT (bending standing) adj wave and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (jezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (piezo piezo adj electric\$4) and (absorb\$ cancel\$4 attenuat\$3)   USPAT; US-PGPUB; EPO; PO; DERWENT (bending standing) adj wave distributed adj mode) and (piezo piezo adj electric\$4) piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound music)   USPAT; US-PGPUB; EPO; PO; DERWENT USPAT;			presented ty and (absorbe cancele t attendates)	l	
942   (bending standing) adj wave and (plezo plezo adj electric\$4   plezoelectric\$4   plezoelectric\$4   and (absorb\$ cancel\$4 attenuat\$3)   USPAT; US-PGPUB; EPO; JPO; DERWENT (Sal7*s.ccis. audio audible sound music)   USPAT; US-PGPUB; EPO; JPO; DERWENT (Uplezo piezo adj electric\$4 plezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (plezo piezo adj electric\$4 plezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)   USPAT; US-PGPUB; EPO; JPO; DERWENT (Uplezo piezo adj electric\$4 plezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)   USPAT; US-PGPUB; EPO; JPO; DERWENT (USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT (USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT					
- 395 ((bending standing) adj wave and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound music)  - 946 ((bending standing) adj wave distributed adj mode) and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3))  - 946 ((bending standing) adj wave distributed adj mode) and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)  - 399 (((bending standing) adj wave distributed adj mode) and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound music)  - 0 6201872.URPN 60 381/71.2.ccls 23 381/71.2.ccls. and piezoelectric - 23 381/71.2.ccls. and piezoelectric - 11 381/71.2.ccls. and piezoelectric and (anti adj nod\$2 andinod\$2 resonan\$3) - 5 ("4924640"   "5107634"   "5491938"   "5816122"   USPAT; USPGPUB; EPO; JPO; DERWENT USPAT - 493 310/322.ccls 13 310/322.ccls. and (soundproof sound adj (cancel\$4 absorb\$3 attenuat\$3)) - 5 ("4924640"   "5107634"   "5491938"   "5816122"   USPAT; USPGPUB; EPO; JPO; DERWENT USPAT; USPGPUB; EPO; JPO	-	942			2004/03/02 16:13
DERWENT USPAT;   Cook/03/02 16:14   DERWENT USPAT;   Cook/03/02 16:14   DERWENT USPAT;   Cook/03/02 16:14   DERWENT USPAT;   Cook/03/02 16:14   DERWENT USPAT;   Cook/03/02 16:14   DERWENT USPAT;   Cook/03/02 16:14   DERWENT USPAT;   Cook/03/02 16:13   DERWENT USPAT;   Cook/03/02 16:14   DERWENT USPAT;   Cook/03/02 16:13   DERWENT USPAT;   Cook/03/02 16:14   DERWENT USPAT;   US			piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)		
395					
piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound music)  946 ((bending standing) adj wave distributed adj mode) and (piezo piezo adj electric\$4) piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)  (((bending standing) adj wave distributed adj mode) and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound music)  0 0 6201872.URPN.  381/71.2.ccls.  23 381/71.2.ccls. and piezoelectric  11 381/71.2.ccls. and piezoelectric  23 381/71.2.ccls. and piezoelectric  11 381/71.2.ccls. and piezoelectric and (anti adj nod\$2 antinod\$2 resonan\$3)  -		705	(/hending standing) adi waye and /njezo njezo adi electric\$4		2004/07/02 14:14
381/\$.ccls. audio audible sound music)	_	373	1 (1 )		2004/03/02 10:14
- 946 ((bending standing) adj wave distributed adj mode) and (plezo piezo adj electric.\$4 piezoelectric.\$4) and (absorb.\$ 2004/03/02 16:13 USP-GPUB; EPO; JPO; DERWENT USPAT; USP-GPUB; EPO; JPO; DERWENT USP-GPUB;					
(piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)  (((() bending standing) adj wave distributed adj mode) and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound music)  0 6201872.URPN. 381/71.2.ccls.  23 381/71.2.ccls. and piezoelectric  11 381/71.2.ccls. and piezoelectric  12 381/71.2.ccls. and piezoelectric  13 381/71.2.ccls. and piezoelectric and (anti adj nod\$2 antinod\$2 resonan\$3)  13 ("4924640"   "5107634"   "5491938"   "5816122"			,		
Cancel\$4 attenuat\$3)	-	946			2004/03/02 16:13
Comparison of the content of the c					
- 399 (((bending standing) adj wave distributed adj mode) and (plezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound music) - 0 6201872.URPN 80 381/71.2.ccls 23 381/71.2.ccls 23 381/71.2.ccls. and piezoelectric - 11 381/71.2.ccls. and piezoelectric - 12 381/71.2.ccls. and piezoelectric - 13 381/71.2.ccls. and piezoelectric and (anti adj nod\$2 antinod\$2 resonan\$3) - 5 ("4924640"   "5107634"   "5491938"   "5816122"   USPAT; US			cancel\$4 attenuat\$3)		
(piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound muslc)  0 6201872.URPN. 381/71.2.ccls.  23 381/71.2.ccls.  23 381/71.2.ccls. and piezoelectric  11 381/71.2.ccls. and piezoelectric  23 381/71.2.ccls. and piezoelectric  24 381/71.2.ccls. and piezoelectric  25 ("4924640"   "5107634"   "5491938"   "5816122"   USPAT; USPAT   USPAT; USP	·	700	(((hending standing) adi waye distributed adi mode) and		2004/03/02 16:14
Cancel\$4 attenuat\$3) and (381/\$.ccls. audio audible sound music)   EPO; JPO; DERWENT   USPAT   USPAT   USPAT   USPAT   USPAT; US-PGPUB; EPO; JPO; DERWENT   USPAT   USPAT   USPAT   USPAT   USPAT   USPAT   USPAT   USPAT   USPAT; US-PGPUB; EPO; JPO; DERWENT   USPAT; US-P		377	1 (((		2004/03/02 10:14
- 0 6201872.URPN 60 381/71.2.ccls 23 381/71.2.ccls.					
- 60 381/71.2.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT USPAT USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO;			music)	DERWENT	
- 23 381/71.2.ccls. and piezoelectric	-				
EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT USPAT USPAT USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US	-	60	381//1.2.ccls.		2004/03/02 16:24
- 23 381/71.2.ccls. and piezoelectric					
- 23 381/71.2.ccls. and piezoelectric					
- 11 381/71.2.ccls. and piezoelectric and (anti adj nod\$2 antinod\$2 resonan\$3)	-	23	381/71.2.ccls. and piezoelectric		2004/03/02 16:24
- 11 381/71.2.ccls. and piezoelectric and (anti adj nod\$2 antinod\$2 resonan\$3)  - 5 ("4924640"   "5107634"   "5491938"   "5816122"   USPAT; USPAT   2004/03/02 16:30   USPAT   "6032552").PN.  - 493 310/322.ccls.			·		
- 11 381/71.2.ccls. and piezoelectric and (anti adj nod\$2 antinod\$2 resonan\$3)  - 5 ("4924640"   "5107634"   "5491938"   "5816122"   USPAT; USPAT   2004/03/02 16:27   "6032552").PN.  - 493 310/322.ccls.					
antinod\$2 resonan\$3)  -	_	11	701/71 9 cele and piercelesside and /		2004/07/00 17 70
- 5 ("4924640"   "5107634"   "5491938"   "5816122"   USPAT 2004/03/02 16:27   "6032552").PN.  - 493 310/322.ccls.	-	11		•	2004/03/02 16:30
- 5 ("4924640"   "5107634"   "5491938"   "5816122"   USPAT   2004/03/02 16:27   "6032552").PN.  - 493 310/322.ccls.			ananouva resonanyo;	•	
- 493 ("4924640"   "5107634"   "5491938"   "5816122"   USPAT   2004/03/02 16:27   "6032552").PN.  - 493 310/322.ccls.					
- 493 310/322.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; absorb\$3 attenuat\$3))  - 652 310/321.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; US-PGPUB;	-	5			2004/03/02 16:27
- 13 310/322.ccls. and (soundproof sound adj (cancel\$4 absorb\$3 attenuat\$3))  - 652 310/321.ccls.  US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB;		405			
EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB;	-	493	310/322.ccls.		2004/03/02 16:41
- 13 310/322.ccls. and (soundproof sound adj (cancel\$4 absorb\$3 attenuat\$3))  - 652 310/321.ccls.  DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; US-PGPUB;					
- 13 310/322.ccls. and (soundproof sound adj (cancel\$4 absorb\$3 attenuat\$3))  - 652 310/321.ccls.  2004/03/02 16:41 USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPGPUB;					
absorb\$3 attenuat\$3))  - 652 310/321.ccls.  US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB;	-	13			2004/03/02 16:41
- 652 310/321.ccls. DERWENT USPAT; USPAT; US-PGPUB;			absorb\$3 attenuat\$3))		
- 652 310/321.ccls. USPAT; USPGPUB; 2004/03/02 16:41					
US-PGPUB;	_	450	   310/321 cds		2004/07/02 14 41
	-	032	J 10/ JZ 1.CCB.		2004/03/02 10:41
DERWENT					

		710/701	1100.0	
-	3	310/321.ccls. and (soundproof sound adj (cancel\$4 absorb\$3 attenuat\$3))	USPAT;	2004/03/02 16:42
		absorb\$3 attenuat\$3))	US-PGPUB;	
			EPO; JPO;	
	171	710/721 cdc and (soundarport (sound) \$4 shooth \$7	DERWENT	2004/07/02 17 44
•	171	310/321.ccls. and (soundproof (cancel\$4 absorb\$3 attenuat\$3))	USPAT;	2004/03/02 16:44
		attenuat \$ 3))	US-PGPUB;	
			EPO; JPO;	
	74	/710/791 gale and (accordance of (accorded A about #7	DERWENT	0004/07/00 17 47
-	36		USPAT;	2004/03/02 16:47
		attenuat\$3))) and (wall panel)	US-PGPUB;	
			EPO; JPO;	
	5	/"2047414"   "4044207"   "471EEE0"   "4047474"	DERWENT	0004/07/00 1/ 45
•	3	("2043416"   "4044203"   "4715559"   "4947434"      "5091953").PN.	USPAT	2004/03/02 16:45
	334935	,	LICDAT	0004/07/00 17 47
-	334933	sound.ti. wall.ti.	USPAT;	2004/03/02 16:47
			US-PGPUB;	
			EPO; JPO;	
	2834	cound 4t and wall 4t	DERWENT	0004/07/00 17 47
-	2034	sound.ti. and wall.ti.	USPAT;	2004/03/02 16:47
			US-PGPUB;	
			EPO; JPO;	
	5	(sound.ti. and wall.ti.) and 381/\$.ccls.	DERWENT	0004/07/00 17 40
•	3	(Sound.u. and wan.u.) and 361/\$.ccis.	USPAT;	2004/03/02 16:48
			US-PGPUB;	
			EPO; JPO;	
	76	791/71 7 ccic and (wall nanel)	DERWENT	2004/07/09 14 40
1	70	381/71.7.ccls. and (wall panel)	USPAT;	2004/03/02 16:49
			US-PGPUB;	
			EPO; JPO;	
1_	84	381/71.7.ccls. and (wall panel board)	DERWENT	2004/07/02 17 40
-	04	301771.7.ccis. and (wan paner board)	USPAT;	2004/03/02 16:49
,			US-PGPUB;	
			EPO; JPO; DERWENT	
1_	32	381/71.7.ccls. and (wall panel board) and (piezoelectric\$4		2004/03/02 17:32
	32	piezo adj electric\$4)	USPAT; US-PGPUB;	2004/03/02 17:32
		piezo auj eleculco +/	EPO; JPO;	
			DERWENT	
1.	8	5515444.URPN.	USPAT	2004/03/02 16:52
-	_	("4449235"   "5091953"   "5233540"   "5245552"	USPAT	2004/03/02 17:19
	.0	"5283834"   "5355417"   "5363451"   "5396414"	usi Ai	2004/03/02 17.17
		"5410607"   "5415522"   "5420932"   "5473698"		
		"5498127"   "5515444"   "5519637"		
		"5748750").PN.		
-	14	("3693749"   "3936606"   "3991849"   "4044203"	USPAT	2004/03/02 17:22
		"4199295"   "4255083"   "4689821"   "4700177"	45.71	200 1/03/02 17:22
		"4199295"   "4255083"   "4689821"   "4700177"   "4715559"   "4947356"   "4947434"   "4967550"		
		"5031222"   "5060471").PN.		
-	2		USPAT	2004/03/02 17:24
[ -	0	6266427.URPN.	USPAT	2004/03/02 17:26
-	18	("3160549"   "3976269"   "4011356"   "4068736"	USPAT	2004/03/02 17:26
		"4143495"   "4235302"   "4387786"   "4416349"		
		"4143495"   "4235302"   "4387786"   "4416349"   "4635882"   "4741945"   "4828202"   "4924969"		
		"5251849"   "5280991"   "5823467"   "5862242"		
		"5904318"   "6031917").PN.		
-	22	3976269.URPN.	USPAT	2004/03/02 17:27
-	18	("3160549"   "3976269"   "4011356"   "4068736"	USPAT	2004/03/02 17:31
		"4143495"   "4235302"   "4387786"   "4416349"		
		"4635882"   "4741945"   "4828202"   "4924969"	]	
		"5251849"   "5280991"   "5823467"   "5862242"		
		"5904318"   "6031917").PN.		
<u> </u>			L	

	·			
-	86	381/353.ccls.	USPAT;	2004/03/02 17:34
			US-PGPUB;	
			EPO; JPO;	
		701/757 colo and /min-s min-s all at a 4.45	DERWENT	2004/07/00 17 70
-	13	381/353.ccls. and (piezo piezo adj electric\$5	USPAT;	2004/03/02 17:38
		piezoelectric\$5)	US-PGPUB;	
			EPO; JPO;	
		701/7571	DERWENT	0004/07/00 17 77
-	73	381/353.ccls. not (381/353.ccls. and (piezo piezo adj	USPAT;	2004/03/02 17:37
		electric\$5 piezoelectric\$5))	US-PGPUB;	
			EPO; JPO;	
		15170/7 HDDN	DERWENT	2004/07/00 17 75
-	0	1517063.URPN.	USPAT	2004/03/02 17:35
-	153	367/176.ccls.	USPAT;	2004/03/02 17:38
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	56	367/176.ccls. and (piezo piezo adj electric\$5	USPAT;	2004/03/02 17:40
		piezoelectric\$5)	US-PGPUB;	
			EPO; JPO;	
		7/7/1/0	DERWENT	0004/07/05
-	161	367/162.ccls.	USPAT;	2004/03/02 17:45
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	9	2416337.URPN.	USPAT	2004/03/02 17:43
-	812	(electronic\$5 electric\$5) adj damp\$3	USPAT;	2004/03/02 17:46
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	175	(electronic\$5 electric\$5) adj damp\$3 and (panel wall)	USPAT;	2004/03/02 17:46
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	40	(electronic\$5 electric\$5) adj damp\$3 and (panel wall) and	USPAT;	2004/03/02 17:50
		(piezo piezo adj (electric\$5 electroni\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5)	EPO; JPO;	
		//	DERWENT	0004/07/05
-	25	((electronic\$5 electric\$5) adj damp\$3 and (panel wall) and	USPAT;	2004/03/02 17:48
		(piezo piezo adj (electric\$5 electroni\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5)) and resonan\$4	EPO; JPO;	
			DERWENT	
-	40	(electronic\$5 electric\$5) adj damp\$3 and (panel wall) and	USPAT;	2004/03/02 18:23
		(piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	EPO; JPO;	
		4/77000 UDD	DERWENT	
-	l	4633982.URPN.	USPAT	2004/03/02 17:59
-	10		USPAT	2004/03/02 18:04
		"4869474"   "4940914"   "5032753"   "5156370"		
		"5270607"   "5347870").PN.		0004/07/04
-	117	anti-resonan\$3 adj (point location node)	USPAT;	2004/03/02 18:08
]			US-PGPUB;	
]			EPO; JPO;	
-	_		DERWENT	
-	7	(anti-resonan\$3 adj (point location node)) and (panel wall)	USPAT;	2004/03/02 18:10
		and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	EPO; JPO;	
			DERWENT	
-	489	resonant adj mode and damp\$3	USPAT;	2004/03/02 18:10
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
F	77007070	10.06.52 AM Page 5		

-	79	resonant adj mode with damp\$3	USPAT; US-PGPUB;	2004/03/02 18:10
			EPO; JPO;	
			DERWENT	
-	22	(resonant adj mode with damp\$3) and (panel wall) and	USPAT;	2004/03/04 08:13
		(piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	EPO; JPO;	
	3	4199989.URPN.	DERWENT USPAT	2004/03/02 18:11
-	7	smart adj panel	USPAT;	2004/03/02 18:11
		Sind to day punct	US-PGPUB;	200 17 037 02 10:17
			EPO; JPO;	
			DERWENT	
-	9	(electronic\$5 electric\$5) adj damp\$3 and (shunt) and (piezo	USPAT;	2004/03/04 08:13
		piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
1		piezoelectronic\$5 piezoceramic\$5)\	EPO; JPO;	
1	9	/alastronist Falastrict Florid dament 7 and /should and /should	DERWENT	0004/07/00 10 07
-	9	(electronic\$5 electric\$5) adj damp\$3 and (shunt) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	USPAT; US-PGPUB;	2004/03/02 18:23
		piezoelectronic\$5 piezoceramic\$5)	EPO; JPO;	
		production production of	DERWENT	
-	2	("5495152"   "5777445").PN.	USPAT	2004/03/02 18:25
-	49	"azima, henry".in. and damp\$3	USPAT;	2004/03/04 07:47
			US-PGPUB;	
1			EPO; JPO;	
	40		DERWENT	
-	48	"azima, henry".in. and damp\$3 and resonan\$4	USPAT;	2004/03/04 07:48
			US-PGPUB;	
			EPO; JPO; DERWENT	
_	48	"azima, henry".in. and damp\$3 and resona\$4	USPAT;	2004/03/04 07:53
		alling henry him and dampto and resonate	US-PGPUB;	2001/05/01/07:55
	•		EPO; JPO;	
			DERWENT	
-	0	"azima, henry".in. and damp\$3 and shunt	USPAT;	2004/03/04 07:53
			US-PGPUB;	
			EPO; JPO;	
1.	0	"azima, henry".in. and damp\$3 and shunt\$3	DERWENT USPAT;	2004/03/04 07:53
		azma, nemy .m. and damp+3 and mane+3	US-PGPUB;	200 1/03/04 07:33
			EPO; JPO;	
			DERWENT	
-	582	acoustic adj panel	USPAT;	2004/03/04 07:56
			US-PGPUB;	
			EPO; JPO;	
	0	acquetic adi panol and chunt	DERWENT	2004/07/04 07:54
-	"	acoustic adj panel and shunt	USPAT; US-PGPUB;	2004/03/04 07:56
			EPO; JPO;	
			DERWENT	
-	1	acoustic adj panel and shunt\$3	USPAT;	2004/03/04 07:56
			US-PGPUB;	
			EPO; JPO;	
		/#E40E1E0#   #E77744E# 551	DERWENT	0004/07/07/07
-		("5495152"   "5777445").PN.	USPAT	2004/03/04 08:00
-	17 1491	4940914.URPN. electric\$4 adj resona\$5	USPAT USPAT;	2004/03/04 08:04 2004/03/04 08:13
	1771	Ciccuicy Fauj Icsoliays	US-PGPUB;	2007/03/04 00:13
			EPO; JPO;	
			DERWENT	
L	l	<u> </u>	L	1

-	579	(electric\$4 adj resona\$5) and (piezo piezo adj (electric\$5	USPAT;	2004/03/04 08:14
				200 1/03/04 00.14
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
İ		piezoceramic\$5)	EPO; JPO;	
			DERWENT	
-	22		USPAT;	2004/03/04 08:16
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) and shunt	EPO; JPO;	
			DERWENT	
-	137	(electric\$4 adj resona\$5) and (piezo piezo adj (electric\$5	USPAT;	2004/03/06 15:48
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) and resist\$5 and induct\$5	EPO; JPO;	
			DERWENT	
-	74		USPAT;	2004/03/04 08:18
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) and resist\$5 and induct\$5 and (damp\$3	EPO; JPO;	
		attenuat\$3 cancel\$4)	DERWENT	
-	21	4241806.URPN.	USPAT	2004/03/06 15:08
-	385	181/284.ccls.	USPAT;	2004/03/06 15:47
		•	US-PGPUB;	
			EPO; JPO;	
		·	DERWENT	
<b>-</b> '	9	181/284.ccls. and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/06 15:55
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5)	EPO; JPO;	
	;		DERWENT	
-	3	("3834487"   "5400296"   "5526324").PN.	USPAT	2004/03/06 15:52
-	16	5400296.URPN.	USPAT	2004/03/06 15:53
-	37574	(wall panel) and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/06 15:55
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5)	EPO; JPO;	+
			DERWENT	
-	17388	((wall panel) and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/07 13:12
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) ) and (sound acoustic music acoustic\$4	EPO; JPO;	
		noise)	DERWENT	
-	6524	(((wall panel) and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/06 15:56
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	1
		piezoceramic\$5) ) and (sound acoustic music acoustic\$4	EPO; JPO;	
		noise)) and (resonan\$4 resonat\$3)	DERWENT	
-	341	((((wall panel) and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/06 15:57
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) ) and (sound acoustic music acoustic\$4	EPO; JPO;	
		noise)) and (resonan\$4 resonat\$3)) and shunt	DERWENT	
-	140	((((wall panel) and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/06 15:57
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) ) and (sound acoustic music acoustic\$4	EPO; JPO;	
		noise)) and (resonan\$4 resonat\$3)) and shunt and board	DERWENT	
•	47	((((wall panel) and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/07 12:08
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) ) and (sound acoustic music acoustic\$4	EPO; JPO;	
		noise)) and (resonan\$4 resonat\$3)) and shunt and board	DERWENT	
	_	and absor\$5		
-	5	("4924640"   "5107634"   "5491938"   "5816122"	USPAT	2004/03/07 12:21
		"6032552").PN.		
•	0	6546316.URPN.	USPAT	2004/03/07 12:23
-	16	("4449235"   "5091953"   "5233540"   "5245552"	USPAT	2004/03/07 12:24
		"5283834"   "5355417"   "5363451"   "5396414"	}	
		"5410607"   "5415522"   "5420932"   "5473698"		
		"5498127"   "5515444"   "5519637"	-	
		"5748750").PN.		0004/07/07 : 5 5 5
	11	5410607.URPN.	USPAT	2004/03/07 12:28

-	2	4373608.pn.	USPAT;	2004/03/07 12:57
			US-PGPUB;	
			EPO; JPO;	
-	·		DERWENT	
-	6	4373608.URPN.	USPAT	2004/03/07 12:32
-	4	5241512.URPN.	USPAT	2004/03/07 12:42
-	24	("3715638"   "3736552"   "3786495"   "3946422"	USPAT	2004/03/07 12:50
		"3973146"   "4081626"   "4246449"   "4262399"		
		"4429192"   "4432007"   "4439641"   "4439847"		
		"4530077"   "4533795"   "4783821"   "4887246"		
		"4887248"   "4910840"   "4916675"   "4922471"		
		"5208789"   "5241512"   "5408731"		
		"5619476").PN.		
1_	209	181/208.ccls.	USPAT;	2004/03/07 12:57
-	207	101/200.003.	US-PGPUB;	2004/03/07 12:37
			EPO; JPO;	
		101/000 -1 11 -47	DERWENT	0004/07/07 40 55
-	l I	181/208.ccls. and shunt\$3	USPAT;	2004/03/07 12:57
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	10		USPAT	2004/03/07 12:58
		"4849668"   "5485053"   "5660624"   "5719945"		
l		"6191519"   "6411015").PN.		
-	6	5719945.URPN.	USPAT	2004/03/07 13:04
-	3	("4352039"   "5018203"   "5719945").PN.	USPAT	2004/03/07 13:06
-	3	("4352039"   "5018203"   "5719945").PN.	USPAT	2004/03/07 13:10
-	186955	(piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 13:13
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	US-PGPUB;	
		, , , , , , , , , , , , , , , , , , , ,	EPO; JPO;	
			DERWENT	
<b>-</b>	6	181/208.ccls. and ((piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/07 13:15
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	2001/05/07 15:15
		piezoceramic\$5))	EPO; JPO;	
		piczocerunie 45/ /	DERWENT	
-	28	("4025724"   "4149612"   "4373608"   "4435751"	USPAT	2004/03/07 13:15
	20	"4442647"   "4525791"   "4600078"   "4715559"	USFAT	2004/03/07 13:13
		"4930113"   "5245664"   "5315661"   "5381381"		
		"5695027"   "5710714"   "5794909"   "5804775"		
		"5873559"   "5924532"   "5924670"   "5930371"		
		"5954169"   "6006875"   "6024190"		
1		"6053275").PN.		
-	6	((prose prose any (orotarist o orotarist o ocialist o)	USPAT;	2004/03/07 13:30
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) and	US-PGPUB;	
		(("4025724"   "4149612"   "4373608"   "4435751"	EPO; JPO;	
			DERWENT	
		"4930113"   "5245664"   "5315661"   "5381381"		
		"5410607"   "5519637"   "5621656"   "5642445"		
		"5695027"   "5710714"   "5794909"   "5804775"		
		"5873559"   "5924532"   "5924670"   "5930371"		
		"5954169"   "6006875"   "6024190"		
1		"6053275").PN.)		
-	5		USPAT	2004/03/07 13:18
		"5091953").PN.		
-	2	4158787.pn.	USPAT;	2004/03/07 13:54
		·	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	14	4158787.URPN.	USPAT	2004/03/07 13:31
-	5	5371801.URPN.	USPAT	2004/03/07 13:36
L	L		1 30	

	4	("3602844"   "4158787"   "4383230"	USPAT	2004/03/07 13:37
		"4485356").PN.	45.711	200 17 0 37 0 7 1 3.57
-	4	("4158787"   "5170103"   "5347870"   "5460182").PN.	USPAT	2004/03/07 13:52
-	1595	310/51.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 13:54
-	29	((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) and 310/51.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:16
-	4	("2416337"   "3029356"   "3179823"   "3400284").PN.	USPAT	2004/03/07 13:56
-	25		USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:23
-	0	2154849.URPN.	USPAT	2004/03/07 14:18
-	9	2416337.URPN.	USPAT	2004/03/07 14:18
-	1606		USPAT;	2004/03/07 14:27
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) )	US-PGPUB; EPO; JPO; DERWENT	
-	592	(smart and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) )) and (absorp\$5 absorb\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:28
	362	(smart and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) )) and (absorp\$5 absorb\$4) and (sound audio acoustic\$4 music\$4 audible)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:29
-	362		USPAT; US-PGPUB; EPO; JPO;	2004/03/07 14:50
-	286		DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:44
-	27		USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:50
	24	l	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:02
-	4	, , , ,	USPAT	2004/03/07 14:56
-	1	"5394478".PN.	USPAT	2004/03/07 14:57
-	4	5598479.URPN.	USPAT	2004/03/07 14:57
-	382	181/210.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:03
-	4	181/210.ccls. and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) )	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:03

	70077			
-	79036	resonan\$3 adj frequenc\$4	USPAT;	2004/03/07 15:04
			US-PGPUB;	
			EPO; JPO;	
	ĺ		DERWENT	
-	5731	resonan\$3 adj frequenc\$4 same (panel board wall)	USPAT;	2004/03/07 15:06
	ŀ		US-PGPUB;	
			EPO; JPO;	
			DERWENT	1
ł_	1162	resonan\$3 adj frequenc\$4 same (panel board wall) and	USPAT;	2004/03/07 15:06
	1102	((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)		2004/03/07 13:08
			US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) )	EPO; JPO;	
			DERWENT	
-	550	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/03/07 15:11
		((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) and	EPO; JPO;	
		(peak nod\$2 antinod\$2 anti adj nod\$3)	DERWENT	
-	21	resonan\$3 adj frequenc\$4 same (panel board wall) and	USPAT;	2004/03/07 15:07
		((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB:	2004/03/07 13:07
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) same		1
			EPO; JPO;	
		(peak nod\$2 antinod\$2 anti adj nod\$3) and (181/\$,ccls.	DERWENT	
		381/\$.ccls.)		
-	180		USPAT;	2004/03/07 15:09
		((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) same	EPO; JPO;	
		(peak nod\$2 antinod\$2 anti adj nod\$3)	DERWENT	
ĺ <b>.</b>	82		USPAT;	2004/03/07 15:17
	72	piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	2001/03/07 13:17
		piezoelectronic\$5 piezoceramic\$5) ) and (peak nod\$2		İ
			EPO; JPO;	
		antinod\$2 anti adj nod\$3)	DERWENT	
-	3	4199989.URPN.	USPAT	2004/03/07 15:26
-	9	("3699484"   "3710148"   "4158787"   "4199989"	USPAT	2004/03/07 15:27
		"6121940").PN.		
-	4	("4158787"   "5170103"   "5347870"	USPAT	2004/03/07 15:29
		"5460182").PN.		
-	493	310/322.ccls.	USPAT;	2004/03/07 15:31
			US-PGPUB;	
			EPO; JPO;	
	1421	310/322.ccls. 310/323.\$.ccls.	DERWENT	2004/07/07 15 70
	1421	J 10/ JZZ.CCIS. J 10/ JZJ.\$.CCIS.	USPAT;	2004/03/07 15:32
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	1198	(310/322.ccls. 310/323.\$.ccls.) and ((piezo piezo adj	USPAT;	2004/03/07 15:32
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5))	EPO; JPO;	
		· · · · · · · · · · · · · · · · · · ·	DERWENT	
	274	(310/322.ccls. 310/323.\$.ccls. )and (absorp\$5 absorb\$5)	USPAT;	2004/03/07 15:32
	2/4	(3.5. 3.22.ccis. 310/323.4.ccis. Jailu (ausorp\$3 ausorb\$3)		2007/03/0/ 13:32
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	274	(*************************************	USPAT;	2004/03/07 16:03
		absorb\$5)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	2	6041125.URPN.	USPAT	2004/03/07 15:39
_	2		USPAT	2004/03/07 15:37
_	9	4016530.URPN.	USPAT	i
_	9	5355417.URPN.		2004/03/07 15:44
- 1	· 7	JJJJTI/,UKIN.	USPAT	2004/03/07 15:51

-	16	("4449235"   "5091953"   "5233540"   "5245552"   "5283834"   "5355417"   "5363451"   "5396414"   "54126277"   "5412627	USPAT	2004/03/07 15:55
-	18		USPAT	2004/03/07 15:55
		"4697668"   "4703506"   "4736431"   "4815139"   "4837834"   "4872528"   "4987598"   "5022082"		
	47	"5033082"   "5091954").PN.	USPAT	2004/03/07 15:56
-	9	5024288.URPN.	USPAT	2004/03/07 15:57
-	1489	electric\$4 adj resona\$4	USPAT;	2004/03/07 16:04
			US-PGPUB; EPO; JPO;	
			DERWENT	
-	579	electric\$4 adj resona\$4 and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	USPAT;	2004/03/07 16:05
		piezoceramic\$5))	US-PGPUB; EPO; JPO;	
		, processiumity 0, 7	DERWENT	
-	419	310/326.ccls.	USPAT; US-PGPUB;	2004/03/07 16:06
			EPO; JPO; DERWENT	
-	419	310/326.ccls.	USPAT; US-PGPUB;	2004/03/07 16:37
			EPO; JPO; DERWENT	
-	14	("4626730"   "4849668"   "4940914"   "5126641"   "5378974"   "5558477"   "5668744"   "5714831"	USPAT	2004/03/07 16:11
		"5783898"   "5802184"   "5838092"   "6018210"   "6191519"   "6252334").PN.		
-	5	("3881137"   "4122725"   "4987564"   "5262677"   "5337090").PN.	USPAT	2004/03/07 16:29
-	25	' · · · · · · · · · · · · · · · · · ·	USPAT	2004/03/07 16:31
-	464	310/316.01.ccls.	USPAT; US-PGPUB;	2004/03/07 16:37
			EPO; JPO; DERWENT	
-	464	310/316.01.ccls.	USPAT;	2004/03/07 16:41
			US-PGPUB; EPO; JPO;	
			DERWENT	
-	729	310/317.ccls.	USPAT;	2004/03/08 13:51
			US-PGPUB;	
			EPO; JPO; DERWENT	
-	30	310/317.ccls. and (anti adj nod\$2 antinod\$2)	USPAT;	2004/03/07 17:02
			US-PGPUB;	
			EPO; JPO;	
	19	5315203.URPN.	DERWENT USPAT	2004/03/07 16:56
-	192218	((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 17:03
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT	US-PGPUB;	
			EPO; JPO;	
_	7580	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	DERWENT USPAT;	2004/03/07 17:03
	, 300	piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) or PZT)	US-PGPUB;	200 17 037 07 17.03
		and passive\$2	EPO; JPO;	
			DERWENT	

1469					
and passive\$2) and (absorb\$4 absorp\$4 mulfi\$4 insulat\$4)  [((((plezo piezo ad] (electric\$5 plezoelectronic\$5 piezoelectronic\$5 piezoelectr	-	4169	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 17:07
STATE   Complete   State   S				,	
3767   ((((piezo piezo ad) (electric\$5 electroni\$5 ceramic\$5) ) or PZT) and pastwe\$2) and (absorb\$4 absorp\$4 muffl\$4 insula\$4\$)   2004/03/07 17:09			and passive\$2) and (absorb\$4 absorp\$4 muffl\$4 insulat\$4)		
piezoelectric\$ 5 piezoelectron(\$5 piezoeramic\$5) or PZT)   LIS-PGPUB; and (panel wall structure)   181/210.ccls. and smart   LIS-PGPUB; PODERWENT   LIS-PGPUB;		77/7	////		2004/07/07 17 00
and passive\$2) and (absorb\$4 absorp\$4 muffi\$4 insulat\$4) and (panel wall structure) and (panel wall structure) 181/210.ccls. and smart 181/210.ccls. and smart 181/210.ccls. 2004/03/07 17:09 181/210.ccls. 2004/03/07 17:09 181/210.ccls. 2004/03/07 17:09 181/210.ccls. 2004/03/07 17:09 181/210.ccls. 2004/03/07 17:09 181/210.ccls. 2004/03/07 17:09 181/210.ccls. 2004/03/07 17:09 181/210.ccls. 2004/03/07 17:09 181/210.ccls. 2004/03/07 17:09 181/210.ccls. 2004/03/07 17:09 181/210.ccls. 2004/03/07 17:09 181/210.ccls. 2004/03/07 17:15 181/210.ccls. 2004/03/07 17:15 181/210.ccls. 2004/03/07 17:15 181/210.ccls. 2004/03/07 17:15 181/210.ccls. 2004/03/07 17:15 181/210.ccls. 2004/03/07 17:15 181/210.ccls. 2004/03/07 17:15 181/210.ccls. 2004/03/07 17:17 181/210.ccls. 2004/03/07 17:17 181/210.ccls. 2004/03/07 17:17 181/210.ccls. 2004/03/07 17:17 181/210.ccls. 2004/03/07 17:18 181/29.ccls. 2004/03/08 12:53 181/28.ccls. 2004/03/08 12:53 181/	-	3/6/			2004/03/07 17:09
and (panel ward) structure    181/210.ccls. and smart   USPAT; US-PCPUB; POD DERWENT   USPAT; US-PCPUB; POD DERWENT   USPAT; USPCPUB; POD DERWENT   USPAT; USPAT   USP					
181/210.ccls. and smart					
- 382 181/210.cds. 381/210.cds.					0004/07/07 47 00
- 382 181/210.ccls.   EPO; JPO; DERWENT USPAT; USPA	-	0	181/210.ccis. and smart		2004/03/07 17:09
Bal/210.ccls.   Bal/210.ccls				,	
181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/210.ccls.   181/280.ccls.   181/280.ccls.   181/280.ccls.   181/290.ccls.					
181/210.ccls. and (((piezo piezo adj (electric\$5 electroni\$5   piezoelectric\$5 piezoelectric\$5 piezoelectroni\$5   piezoelectric\$5 piezoelectroni\$5   piezoelectric\$5 piezoelectroni\$5   piezoelectric\$5 piezoelectroni\$5   piezoelectroni\$5   piezoelectroni\$5   piezoelectric\$5 piezoelectroni\$5   piezoelectroni\$5   piezoelectroni\$5   piezoelectroni\$5   piezoelectroni\$5   piezoelectroni\$5   piezoelectric\$5 piezoelectroni\$5   piezoelectric\$5 piezoelectric\$5   piezoelectric\$5 piezoelectric\$5   piezoe		700	101/010 ada		2004/07/07 17 00
181/210.ccis. and (((piezo piezo adj (electric\$5 electroni\$5)   PFO; PO; DERWENT   PFO; PO; DERWENT   PFO; PFO; PFO; DERWENT   PFO; PFO; PFO; DERWENT   PFO; PFO; PFO; PFO; PFO; PFO; PFO; PFO;	-	302	101/210.ccis.		2004/03/07 17:09
181/210.ccls. and (((piezo piezo ad) (electric\$5 electron\$5   DERWENT USPAT; US-PGPUB; piezoceramic\$5) piezoelectron\$5 piezoelectron\$5   DERWENT USPAT; US-PGPUB; Pro; pro; pro; pro; pro; pro; pro; pro; p					
181/210.cds. and (((plezo plezo ad) (electric\$5 electronis\$5   LispAT; USPAT; USPAPUB; Plezoeramic\$5) piezoelectric\$5 plezoelectronic\$5   LispAT; USPAPUB; Plezoeramic\$5) or PZT)   USPAT; USPAT   U					
ceramic\$5   piezoelectric\$5   piezoelectronic\$5   US-PCPUB; piezoeramic\$5   or PZT			191/210 sels and ///nioro nioro odi /olostwist F alastwanit F		2004/07/07 17 15
Decoramic\$5) or PZT)	-	4			2004/03/07 17:15
- 44					
-   44   4447493.URPN.   "2443471"   "3571632"   "3794866"   USPAT   2004/03/07 17:11   USPAT   USPAT   USPAT   2004/03/07 17:12   USPAT   USP			piezoceramic\$5) ) or PZ1)		
- 24 ("Re24191"   "2443471"   "3571632"   "3794866"   USPAT   "4047060"   "4083433"   "4249421"   "425965"   "4447493"   "4528652"   "4626730"   "4633982"   "4635882"   "4654554"   "4725994"   "4979123"   "4894968"   "48634545"   "4883248"   "4958100"   "5032753"   "5108802"   "5142511"),PN.		11	4447407 LIDDN		2004/07/07 17:11
#4047060" "4083433" "4249421" "4255965"   "4444743"   "4528652"   "4626730"   "4633982"   "4635882"   "463654554"   "4725994"   "4795123"   "4849668"   "4865345"   "4883248"   "4958100"   "5032753"   "5108802"   "5142511").PN.  - 10 1689339.pn. 1788519.pn. 2345491.pn.					
"4447493"   "4528652"   "4626730"   "4630072"     "4633982"   "4635882"   "46654554"   "4725994"     "4795123"   "4894668"   "48653545"   "4883248"     "4958100"   "5032753"   "5108802"     "5142511").PN.     1689339.pn. 1788519.pn. 2345491.pn.     1689339.pn. 1788519.pn. 2345491.pn.     181/290.ccls.   USPAT; USPGPUB; EPO; JPO; DERWENT USPAT; USPGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	-	4		usrA I	2004/03/0/ 17:12
"4433982"   "4453582"   "4725994"   "47958100"   "5032753"   "5108802"   "5142511").PN.   1689339.pn. 1788519.pn. 2345491.pn.   USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J					
- 10   1610   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/29?.ccls. 181/28?.ccls.   181/28?.cc			, , , , , , , , , , , , , , , , , , ,		
- 10   1689339.pn. 1788519.pn. 2345491.pn.   USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO			, , , , , , , , , , , , , , , , , , ,		
- 10			, , , , , , , , , , , , , , , , , , ,		
- 676 181/290.ccls. 181/292.ccls. 181/282.ccls. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) ) or PZT)  - 2004/03/07 17:17 USPAT; USPGUB; EPO; IPO; DERWENT USPAT; USPGUB; EPO; IPO; IPO; DERWENT USPAT; USPGUB; EPO; IPO; IPO; DERWENT USPAT; USPGUB; EPO; IPO; DERWENT USPAT; USPGUB; EPO;					
- 676 181/290.ccls. US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGP	_	10		HICDAT.	2004/03/07 17.17
- 1600 181/292.ccls.		10	1007337.pii. 1700317.pii. 2343471.pii.		2004/03/07 17:17
- 676 181/290.ccls. DERWENT USPAT; USPGPUB; EPO; JPO; DERWENT USPAT; USPGPUB; EPO; JPO; DERWENT USPAT; USPGPUB; EPO; JPO; DERWENT USPAT; USPGPUB; EPO; JPO; DERWENT USPAT; USPGPUB; EPO; JPO; DERWENT USPAT; USPGPUB; EPO; JPO; DERWENT USPAT; U					
- 1600 181/29?.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; Diezoelectroni\$5 ceramic\$5) piezoelectric\$5 piezoeramic\$5) or PZT)					
1600   181/29?.ccls.   US-PGPUB; EPO; JPO; DERWENT US-PG	_	676	181/290 cck		2004/03/07 17:17
1600   181/29?.ccls.   EPO; JPO; DERWENT   USPAT; US-PGPUB; EPO; D		0,0	101/2/0.ccis.		2001/05/07 17:17
- 1600 181/29?.ccls.   DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO					
- 2719 181/29?.ccls. 181/28?.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB;					
US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO;	-	1600	181/29?.ccls.		2004/03/07 17:18
EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; USPGPUB; EPO; JPO; DERWENT USPAT;					
- 2719 181/29?.ccls. 181/28?.ccls.    1611 181/29?.ccls. 181/28?.ccls. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectroi\$5 piezoelectric\$5 piezoelectroi\$5 piezoelectric\$5 piezoelectroi\$5 piezoelectric\$5 piezoelectroi\$5 piezoelectric\$5 piezoelectroi\$5 piezoelectric\$5 piezoelectroi\$5 piezoelectric\$5 piezoelectroi\$5 piezoelectric\$5 piezoelectroi\$5 piezoelectric\$5				,	
2719   181/29?.ccls. 181/28?.ccls.   USPAT; US-PGPUB; EPO; JPO; DERWENT   USPAT; US					
- 1611 181/29?.ccls. 181/28?.ccls. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	-	2719	181/29?.ccls. 181/28?.ccls.		2004/03/07 17:18
- 1611 181/29?.ccls. 181/28?.ccls. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 p					
- 1611 181/29?.ccls. 181/28?.ccls. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectrioi\$5 ceramic\$5) or PZT)  - 204850 (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectrioi\$5 piezoelectroic\$5 piezoelectronic\$5 piezoceramic\$5) or PZT)  - 25 (181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 pi					
- 1611 181/29?.ccls. 181/28?.ccls. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 p					
piezoelectronic\$5 plezoceramic\$5) ) or PZT)  23 (181/29?.ccls. 181/28?.ccls.) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	-	1611		USPAT;	2004/03/08 12:53
piezoelectronic\$5 piezoceramic\$5) ) or PZT)  23 (181/29?.ccls. 181/28?.ccls.) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)  204850 (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectronic\$5 piezoceramic\$5) ) or PZT)  204850 (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectronic\$5 piezoceramic\$5) ) or PZT)  2004/03/08 09:28 US-PGPUB; EPO; JPO; DERWENT  25 (181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectr				US-PGPUB;	
- 23 (181/29?.ccls. 181/28?.ccls.) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectroni\$5 ceramic\$5) or PZT)  - 204850 (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoelectronic\$5 piezoelectronic\$5 piezoelectronic\$5 piezoelectronic\$5 piezoelectronic\$5 piezoelectronic\$5 piezoelectric\$5 piezoelectronic\$5 piezoelectric\$5			piezoelectronic\$5 piezoceramic\$5) ) or PZT)	EPO; JPO;	
(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)  204850 (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF  25 (181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5) or PZT) or PVDF)  EPO; JPO; DERWENT  2004/03/08 09:28 US-PGPUB; EPO; JPO; DERWENT  2004/03/07 17:44 piezoelectronic\$5 piezoelectric\$5					
piezoelectronic\$5 piezoceramic\$5) ) or PZT)  204850	-	23			2004/03/08 09:38
- 204850 (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF  - 25 (181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5) or PZT) or PVDF)  DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT					
- 204850 (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT) US-PGPUB; ePO; JPO; DERWENT (181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5 piezoelectric\$5) or PZT) or PVDF)  2004/03/08 09:28  2004/03/08 09:28  2004/03/08 09:28  2004/03/08 09:28			piezoelectronic\$5 piezoceramic\$5) ) or PZT)		
piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF  25 (181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF)  US-PGPUB; EPO; JPO; DERWENT  2004/03/07 17:44  US-PGPUB; EPO; JPO; DERWENT					
or PVDF  25 (181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 US-PGPUB; piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF)  EPO; JPO; USPAT; US-PGPUB; EPO; JPO; DERWENT	-	204850			2004/03/08 09:28
- 25 (181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 US-PGPUB; piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF)  DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT					
- 25 (181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF) US-PGPUB; EPO; JPO; DERWENT			or PVDF		
(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF)  EPO; JPO; DERWENT		_			
piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF)  EPO; JPO;  DERWENT	-	25			2004/03/07 17:44
DERWENT					
			piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF)		
- 4   5241512.UKPN.   USPAT   2004/03/07 17:36			5041510 UDDV		0004/07/07 := 5:
	•	4	5241512.UKPN.	USPAT	2004/03/07 17:36

1887		17761			
Septiment   Sept	-	16621	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 17:45
B873   (((()plezo piezo ad] (electric\$5 electroni\$5 ceramic\$5) plezoelectric\$5 piezoelectroni\$5 piezoeramic\$5) or PZTJ or PVDF) and resonan\$3 adj frequenc\$3 and (notes sound acoustic\$4 audibl\$2 audio)   PSPAT; plezoelectric\$5 plezoelectroni\$5 piezoeramic\$5) plezoelectric\$5 plezoelectroni\$5 plezoeramic\$5) plezoelectric\$5 plezoeramic\$5) plezoelectric\$5 plezoeramic\$5) plezoeramic\$5) plezoeramic\$5) plezoeramic\$5) plezoeramic\$5) plezoeramic\$5) plezoeramic\$5) plezoeramic\$5) plezoeramic\$5) plezoeramic\$5) plezoeramic\$5) plezoeramic\$5) plezoeramic\$5) plezoera					
B873   (((((plezo piezo ad] (electric\$5 electroni\$5 ceramic\$5) or PZT) or PVDF) and resonan\$3 ad] frequenc\$3 and (noise sound acoustc\$4 audibl\$2)   (((((plezo piezo ad] (electric\$5 electroni\$5 ceramic\$5) or PZT) or PVDF) and resonan\$3 ad] frequenc\$3 and (noise sound acoustc\$4 audibl\$2 audio)   (((((plezo piezo ad] (electric\$5 electroni\$5 ceramic\$5)) or PZT) or PVDF) and resonan\$3 ad] frequenc\$3 and (noise sound acoustc\$4 audibl\$2 audio)   (((((plezo piezo ad] (electric\$5 electroni\$5 ceramic\$5)) or PZT) or PVDF) and resonan\$3 ad] frequenc\$3 and (noise sound acoustc\$4 audibl\$2 audio)) and (passive shunt)   USPAT; USPATPUB; PVDF) and resonan\$3 ad] frequenc\$3 and (noise sound acoustc\$4 audibl\$2 audio)) and (passive shunt)   USPAT; USPATPUB; PVDF) and resonan\$3 ad] frequenc\$3 and (noise sound acoustc\$4 audibl\$2 audio)) and (passive shunt)   USPATPUB; PVDF) and resonan\$3 ad] frequenc\$3 and (noise sound acoustc\$4 audibl\$2 audio)) and (passive)   USPATPUB; PVDF) and resonan\$3 ad] frequenc\$3 and (noise sound acoustc\$4 audibl\$2 audio)) and (passive)   USPATPUB; PVDF) and resonan\$3 ad] frequenc\$3 and (noise sound acoustc\$4 audibl\$2 audio)) and (passive)   USPATPUB; PVDF) and resonan\$3 ad] frequenc\$3 and (noise sound acoustc\$4 audibl\$2 audio)) and (passive)   USPATPUB; PVDF)   PVDF) and resonan\$3 ad] frequenc\$3 and (noise sound acoustc\$4 audibl\$2 audio)   USPATPUB; PVDF)   PVDF)   USPATPUB; PVDF)   USPATPUB; PVDF)   PVDF)   USPATPUB; PVDF)   PVDF)   USPATPUB; PVDF)   PVDF)   USPATPUB; PVDF)   PVDF)   USPATPUB; PVDF)   PVDF)   PVDF)   USPATPUB; PVDF)   PVDF)			or PVDF) and resonan\$3 adj frequenc\$3		
Piezoelectric\$   piezoelectronic\$   piezoelectronic\$   piezoelectric\$					
or PVDF) and resonan\$3 adi frequen\$3 and (noise sound acoustic\$4 audibl\$2)  (((((plezo piezo adi (electric\$5 electroni\$5 ceramic\$5)) or PZT) or PVDF) and resonan\$3 adi frequen\$3 and (noise sound acoustic\$4 audibl\$2 audio)  - 1604 (((((plezo piezo adi (electric\$5 electroni\$5 ceramic\$5)) or PZT) or PVDF) and resonan\$3 adi frequen\$3 and (noise sound acoustic\$4 audibl\$2 audio) - 1604 (((((plezo piezo adi (electric\$5 electroni\$5 ceramic\$5)) or PZT) or PVDF) and resonan\$3 adi frequen\$3 and (noise sound acoustic\$4 audibl\$2 audio)) and (passive shum)  - 1252 (((((plezo piezo adi (electric\$5 electroni\$5 ceramic\$5)) or PZT) or PVDF) and resonan\$3 adi frequen\$3 and (noise sound acoustic\$4 audibl\$2 audio)) and (passive shum)  - 149 (((((plezo piezo adi (electric\$5 electroni\$5 ceramic\$5)) piezoelectric\$5 piezoelectroni\$5 piezoeramic\$5) or PZT) or PVDF) and resonan\$3 adi frequen\$3 and (noise sound acoustic\$4 audibl\$2 audio)) and (passive) and shunt passive:d. and damping.d.  - 121  - 144 310/317.ccls. and (peak)  - 144 310/317.ccls. and (peak)  - 169 310/317.ccls. and (peak)  - 169 310/317.ccls. and (peak antinod\$3 and adj nod\$2)  - 169 310/317.ccls. and (audioad\$3 and adj nod\$2)  - 169 310/317.ccls. and (audioad\$3 and adj nod\$2)  - 17 4940914.URPN.  - 18	-	8873		USPAT;	2004/03/07 17:46
acoustic\$4 audibls\$2   DERWENT   Code to plezoelectric\$5 ple				US-PGPUB;	
acoustic\$4 audibis\$2   DERWENT   Code please off (electric\$5 electroni\$5 ceramic\$5)   Part   Code please off (electric\$5 please electroni\$5 plea			or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound	EPO; JPO;	
Discoelectric\$5 piezoelectronic\$5 piezoeramic\$5) or PZTD or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibi\$2 audio) and ((((piezo piezo adj (letertic\$5 electroni\$5 ceramic\$5)) or PZTD or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibi\$2 audio) and (passive shunt) (((((piezo piezo adj (letertic\$5 electroni\$5 ceramic\$5)) or PZTD or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibi\$2 audio) and (passive shunt) (((((piezo piezo adj (letertic\$5 electroni\$5 ceramic\$5)) or PZTD or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibi\$2 audio) and (passive) and shunt passive.d. and damping.d.  149 ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)) or PZTD or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibi\$2 audio) and (passive) and shunt passive.d. and damping.d.  121 passive.d. and damping.d.  141		1	acoustic\$4 audibl\$2)		
piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) or PZT)	-	8996	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT:	2004/03/07 17:46
or PVDF) and resonan\$3 adl frequenc\$3 and (noise sound acoustic\$4 andib1\$2 audio)  1604 ((((()etao piezo adl (electric\$5 electroni\$5 ceramic\$5)) or PZT) or PVDF) and resonan\$3 adl frequenc\$3 and (noise sound acoustic\$4 audib1\$2 audio)) and (passive shunt)  1252 (((()(piezo piezo adl (electric\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adl frequenc\$3 and (noise sound acoustic\$4 audib1\$2 audio)) and (passive)  149 (((()(piezo piezo adl (electric\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adl frequenc\$3 and (noise sound acoustic\$4 audib1\$2 audio)) and (passive)  149 (((()(piezo piezo adl (electric\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adl frequenc\$3 and (noise sound acoustic\$4 audib1\$2 audio)) and (passive) and shunt passive.ii. and damping.d.  121 psizoelectric\$5 piezoclectronif\$5 piezoceramic\$5) or PZT) or PVDF) and resonan\$3 adl frequenc\$3 and (noise sound acoustic\$4 audib1\$2 audio)) and (passive) and shunt passive.ii. and damping.d.  121 psizoelectric\$5 piezoclectronif\$5 ceramic\$5) or PZT) or PVDF) and resonan\$3 adl frequenc\$3 and (noise sound acoustic\$4 audib1\$2 audio)) and (passive) and shunt passive.ii. and damping.d.  121 psizoelectric\$5 piezoclectronif\$5 ceramic\$5) or PZT) or PVDF) and resonan\$3 adl frequenc\$3 and (noise sound acoustic\$4 audib1\$2 audio) and (passive) and shunt passive.ii. and damping.d.  122 psizoelectric\$5 piezoclectronif\$5 ceramic\$5) or PZT) psizoelectric\$5 piezoclectric\$5 piezoceramic\$5) or PZT) psizoelectric\$5 piezoceramic\$5) psizoelectric\$5 piezoceramic\$5) psizoelectric\$5 piezoceramic\$5) psizoelectric\$5 piezoceramic\$5) psizoelectric\$5 piezoceramic\$5 psizoelectric\$5 piezoceramic\$5 psizoelectric\$5 psizoelectric\$5 psizoelectric\$5 psizoelectric\$5 p					
acoustic\$4 audibl\$2 audio)   1604   ((()pico piero ad ()electric\$5 electroni\$5 ceramic\$5)   or PZT)   1507(()pico piero ad ()electric\$5 piezoelectroni\$5 piezoelectric\$5 piezoelectroni\$5 piezoelectric\$5 piezoelectroni\$5 piezoe					
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Diezoelectric(\$5 piezoelectronic(\$5) piezoelectronic(\$5) piezoelectronic(\$7 and fresonan(\$3) and froste sound acoustic(\$4) audib(\$2 audio)) and (passive shunt)   1252   (((((piezo piezo ad) (electric(\$5) electronis(\$5) ceramic(\$5)) piezoelectric(\$5) piezoelectric(\$5) piezoelectronic(\$5) piezoelectronic(	-	1604			2004/03/07 17:46
or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibl\$2 audio) and (passive shunt) (((((pteo piezo adj (electric\$5 piezoelectrion(s\$5 piezoelectrion(s\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibl\$2 audio)) and (passive)  - 149  ((((pteo piezo adj (electric\$5 piezoelectronic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibl\$2 audio)) and (passive)  - 121  - 121  - 144  310/317.ccts. and damping.ti.  - 144  310/317.ccts. and (peak)  - 169  310/317.ccts. and (peak antinod\$3 anti adj nod\$2)  - 169  310/317.ccts. and (antinod\$3 anti adj nod\$2)  - 169  310/317.ccts. and (antinod\$3 anti adj nod\$2)  - 170  - 180  - 190  - 190  - 190  - 190  - 190  - 190  - 190  - 190  - 2004/03/07 18:02  - 2004/03/07 18:02  - 2004/03/07 18:03  - 2004/03/07 18:04  - 2004/03/07 18:04  - 2004/03/07 18:04  - 2004/03/07 18:05  - 2004/03/07 18:25  - 2004/03/07 18:25  - 2004/03/07 18:25  - 2004/03/07 18:25  - 2004/03/07 18:25  - 2004/03/07 18:25  - 2004/03/07 18:25					200 17 0 37 07 17:10
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or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibl\$2 audio)) and (passive)  149 ((((((plezo plezo adj (electric\$5 electroni\$5 ceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibl\$2 audio)) and (passive) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibl\$2 audio)) and (passive) and shunt  121 passive.ti. and damping.ti.  144 310/317.ccls. and (peak)  169 310/317.ccls. and (peak)  169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)  169 310/317.ccls. and (audio audibl\$2 antinod\$3 anti adj nod\$2)  170 310/317.ccls. and (audio audibl\$2 antinod\$3 anti adj nod\$2)  189 310/317.ccls. and (audio audibl\$2 sound music acoustic\$4 antinod\$3 antinod\$4 antinod\$3 antinod\$5 antino	1-	1232			2004/03/07 17:46
149   acoustic\$4 audibl\$2 audio) and (passive)   DERWENT   USPAT   U				· ·	
149   (((((plezo plezo adj (electric\$5 electronis\$5 ceramic\$5) ) or PZT)   plezoelectric\$5 plezoelectronic\$5 plezoeramic\$5) or PZT)   or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibi\$2 audio)) and (passive) and shunt   USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; J					
piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)   US-PGPUB;   PO;					
or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audib\\$2 audio)) and (passive) and shunt passive.ti. and dampling.ti.  121   121   122   123   124   125   1	-	149			2004/03/07 17:54
acoustic\$4 audibl\$2 audio)) and (passive) and shunt passive.d. and damping.ti.    121					
- 121 passive.ti. and damping.ti.  - 144 310/317.ccls. and (peak)  - 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)  - 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)  - 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)  - 17			or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound	EPO; JPO;	
- 144 310/317.ccls. and (peak)  - 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)  - 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)  - 30 310/317.ccls. and ( antinod\$3 anti adj nod\$2)  - 30 310/317.ccls. and ( antinod\$3 anti adj nod\$2)  - 5 ("2043416"   "4044203"   "4715559"   "4947434"   USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; USPA			acoustic\$4 audibl\$2 audio)) and (passive) and shunt	DERWENT	
- 144 310/317.ccls. and (peak)  - 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)  - 169 310/317.ccls. and (antinod\$3 anti adj nod\$2)  - 30 310/317.ccls. and (antinod\$3 anti adj nod\$2)  - 30 310/317.ccls. and (antinod\$3 anti adj nod\$2)  - 5 ("2043416"   "4044203"   "4715559"   "4947434"   USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO;	-	121	passive.ti. and damping.ti.	USPAT;	2004/03/07 17:54
- 144 310/317.ccls. and (peak)  - 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)  - 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)  - 30 310/317.ccls. and (antinod\$3 anti adj nod\$2)  - 30 310/317.ccls. and (antinod\$3 anti adj nod\$2)  - 5 ("2043416"   "4044203"   "4715559"   "4947434"   USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT					
- 144 310/317.ccls. and (peak)  - 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)  - 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)  - 30 310/317.ccls. and (antinod\$3 anti adj nod\$2)  - 30 310/317.ccls. and (antinod\$3 anti adj nod\$2)  - 5 ("2043416"   "4044203"   "4715559"   "4947434"   USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT   "5091953").PN.  - 17 4940914.URPN 18 440626730"   "4849668"   "4940914"   "5126641"   "5783898"   "5802184"   "5538477"   "5568744"   "5714831"   "5783898"   "8802184"   "5838092"   "6018210"   "6191519"   "6252334").PN.  - 60 4849668.URPN 652 310/321.ccls.  - 162 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4   USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT; US-PCPUB;					
- 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2) USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT; US-PCPUB; EPO; JPO; DERWENT USPAT; US-PCPUB; EPO; JPO; DERW					
- 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2) US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J	1-	144	310/317.ccls, and (neak)	l	2004/03/07 18:02
- 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)			To to to tests and (peak)		2001/05/07 10.02
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- 169 310/317.ccls. and (peak antinod\$3 anti adj nod\$2)					
- 30 310/317.ccls. and ( antinod\$3 anti adj nod\$2)	1_	160	310/317 cels, and (neak antinod\$7 anti adi nod\$2)		2004/07/07 19:07
- 30 310/317.ccls. and ( antinod\$3 anti adj nod\$2)	-	109	510/517.ccis. and (peak anunou\$5 and adj nou\$2)		2004/03/07 16:03
- 30 310/317.ccls. and ( antinod\$3 anti adj nod\$2) DERWENT USPAT; USPAGEPUB; EPO; JPO; DERWENT USPAT; USPAGEPUB; EPO; JPO; DERWENT USPAT; USPAGPUB; EPO; JPO; DERWENT USPAGP					
- 30   310/317.ccls. and ( antinod\$3 anti adj nod\$2)   USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT   "5091953").PN.	1				
- 5 ("2043416"   "4044203"   "4715559"   "4947434"   USPAT   USPAT   2004/03/07 18:10   "5091953").PN 17 4940914.URPN 14 ("4626730"   "4849668"   "4940914"   "5126641"   "5378974"   "5558477"   "5668744"   "5714831"   "5783898"   "5802184"   "5838092"   "6018210"   "6191519"   "6252334").PN 60 4849668.URPN 60 4849668.URPN 652 310/321.ccls 162 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4) - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4) - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4   USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPGPUB; EPO; IPO; DERWENT USPAT;		70	710/717	l	0004/07/07 40 04
- 5 ("2043416"   "4044203"   "4715559"   "4947434"   USPAT USPAT 2004/03/07 18:10   USPAT USPAT USPAT 2004/03/07 18:10   USPAT USPAT 2004/03/07 18:10   USPAT USPAT 2004/03/07 18:20   USPAT 2004/03/07 18:20   USPAT 2004/03/07 18:20   USPAT 2004/03/07 18:20   USPAT 2004/03/07 18:20   USPAT 2004/03/07 18:20   USPAT 2004/03/07 18:21   USPAT 2004/03/07 18:21   USPAT 2004/03/07 18:21   USPAT 2004/03/07 18:21   USPAT 2004/03/07 18:21   USPAT 2004/03/07 18:25   USPAT 2004/03	-	30	310/317.ccis. and (antinod\$3 anti adj nod\$2)		2004/03/07 18:24
- 5 ("2043416"   "4044203"   "4715559"   "4947434"   USPAT   USPAT   2004/03/07 18:10   17   4940914. USPAT   USPAT   USPAT   USPAT   2004/03/07 18:11   USPAT					
- 5 ("2043416"   "4044203"   "4715559"   "4947434"   USPAT   2004/03/07 18:10   "5091953").PN 17 4940914.URPN 14 ("4626730"   "4849668"   "4940914"   "5126641"   USPAT   2004/03/07 18:21   USPAT   USPAT   2004/03/07 18:20   USPAT   USPAT   2004/03/07 18:20   USPAT   USPAT   2004/03/07 18:20   USPAT   USPAT   2004/03/07 18:21   USPAT   USPAT   2004/03/07 18:21   USPAT   2004/03/07 18:21   USPAT   USPAT   2004/03/07 18:25   USPAT   USPAT   USPAT   2004/03/07 18:25   USPAT   USPAT   USPAT   2004/03/07 18:25   USPAT					
- 17 4940914.URPN 14 4940914.URPN 15378974"   "5558477"   "5668744"   "5714831"   "57788998"   "5802184"   "5838092"   "6018210"   "6191519"   "6252334").PN 60 4849668.URPN 60 4849668.URPN 162 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4) - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4   USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; D		_			
- 17 4940914.URPN. ("4626730"   "4849668"   "4940914"   "5126641"   USPAT USPAT USPAT   "5783898"   "5802184"   "5838092"   "6018210"   "6191519"   "6252334").PN.  - 60 4849668.URPN 60 4849668.URPN 652 310/321.ccls.  - 162 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  - 203 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  - 204 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  - 205 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  - 207 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  - 208 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  - 209 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  - 209 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  - 200 4/03/07 18:25	-	5		USPAT	2004/03/07 18:10
- 14 ("4626730"   "4849668"   "4940914"   "5126641"   USPAT   "5378974"   "5558477"   "5668744"   "5714831"   "5783898"   "5802184"   "5838092"   "6018210"   "6191519"   "6252334").PN.  - 60 4849668.URPN 60 4849668.URPN 652 310/321.ccls.  - 162 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 203 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 204/03/07 18:20  - 205 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 206 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 207 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 208 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 209 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4]  - 209 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4]					
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"5378974"   "5558477"   "5668744"   "5714831"   "5783898"   "5802184"   "5838092"   "6018210"   "6191519"   "6252334").PN 60	-	14		USPAT	2004/03/07 18:20
- 60 4849668.URPN 60 4849668.URPN 652 310/321.ccls.  162 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  2004/03/07 18:25  USPAT: USPAT; U					
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- 60 4849668.URPN 652 310/321.ccls.  162 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)  - 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4  2004/03/07 18:21 2004/03/07 18:25  2004/03/07 18:25  2004/03/07 18:25  2004/03/07 18:25  2004/03/07 18:25  2004/03/07 18:25  2004/03/07 18:25	-	60	1 '	USPAT	2004/03/07 18:21
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- 162 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4) US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO;	-	652			I .
- 162 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4) EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; noise) 202 310/321.ccls. and (audio audibl\$2 sound music acoustic\$4 USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;			<del></del>		
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			noise)	•	
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-	168		USPAT;	2004/03/07 18:37
		noise) and resonan\$3	US-PGPUB;	
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	1.7	4447074 HDDN	DERWENT	0004/07/07 10 71
-	13		USPAT	2004/03/07 18:31
-	306	381/431.ccls.	USPAT;	2004/03/07 18:37
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			EPO; JPO;	
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-	56	((())	USPAT;	2004/03/07 18:45
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-	3		USPAT	2004/03/07 18:43
-	338	381/354.ccls.	USPAT;	2004/03/07 18:45
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			EPO; JPO;	
			DERWENT	
-	20	381/354.ccls. and ((((piezo piezo adj (electric\$5	USPAT;	2004/03/07 19:30
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) ) or PZT) or PVDF)	EPO; JPO;	
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-	15		USPAT	2004/03/07 19:09
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	•	"4929874"   "5156370"   "5251264").PN.	d5i7ti	2001/03/07 17:10
-	9	5783898.URPN.	USPAT	2004/03/07 19:17
-	12		USPAT	2004/03/07 19:19
-	19	5315203.URPN.	USPAT	2004/03/07 19:21
_	3	6102426.URPN.	USPAT	2004/03/07 19:24
_	26859		USPAT;	2004/03/07 19:24
	20037	(sound noise addity adjubstity)	US-PGPUB;	2004/03/07 17:31
			EPO; JPO;	
			DERWENT	
l <u>.</u>	21	((sound noise audio) adj absor\$5) and passive\$2 near4	USPAT;	2004/03/07 19:33
		damp\$3	US-PGPUB;	2004/03/07 19:33
		damp\$3		
			EPO; JPO;	
_	245	381/71.\$.ccls. and passive	DERWENT	2004/07/07 10 74
_	273	JOTA 1. F. CCIS. and passive	USPAT;	2004/03/07 19:34
			US-PGPUB;	
			EPO; JPO;	
	7,	701/71 ¢ colo and neutro and decembra	DERWENT	0004/07/07 := -:
-	76	381/71.\$.ccls. and passive and damp\$3	USPAT;	2004/03/07 19:34
			US-PGPUB;	
			EPO; JPO;	
	<b>-</b> .	/701/71 6 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DERWENT	
-	31	(381/71.\$.ccls. and passive and damp\$3) and ((((piezo	USPAT;	2004/03/07 19:34
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		piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF)	EPO; JPO;	
			DERWENT	
-	2	4,715,559.pn.	USPAT;	2004/03/07 19:47
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	[
-	5	("4924640"   "5107634"   "5491938"   "5816122"	USPAT	2004/03/07 19:41
L		"6032552").PN.		
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-	10	("3816774"   "4028566"   "4056742"   "4565940"	USPAT	2004/03/07 19:42
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		or PVDF) and resonan\$3 adj frequenc\$3 shunt	EPO; JPO;	
			DERWENT	
-	596		USPAT;	2004/03/07 19:47
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3 and shunt	EPO; JPO;	
			DERWENT	
-	746	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 19:48
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	
1.		or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3	EPO; JPO;	
			DERWENT	
-	325	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 19:48
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3 and	EPO; JPO;	
		(tune tuning)	DERWENT	
_	426	1 '	USPAT;	2004/03/07 19:48
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	200 1. 00, 0, 1,110
		or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3 and	EPO; JPO;	
		(tune\$2 tuning\$2)	DERWENT	
_	284		USPAT;	2004/03/07 19:50
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	200 11 007 07 17100
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-	137	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 19:54
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		or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3 and	EPO; JPO;	
		(tune\$2 tuning\$2) and (audio audible sound noise) and	DERWENT	
		(damp\$3 absorb\$3)	DERWEIT	
\ <u>-</u>	223	forward.in.	USPAT;	2004/03/07 19:55
			US-PGPUB;	2001/05/07 17.55
			EPO; JPO;	
			DERWENT	
_	34	"forward, robert".in.	USPAT;	2004/03/08 14:50
1	J.	Torward, robert .iii.	US-PGPUB;	2004/03/00 14.30
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			DERWENT	
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	-	1730330.pii.	USPAT; US-PGPUB;	ZUU <del>1</del> /U3/U8 U9:11
			EPO; JPO; DERWENT	
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-	3	1930536.URPN.	USPAT	2004/03/08 09:03
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		"5498127"   "5515444"   "5519637"		
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-	14	("3693749"   "3936606"   "3991849"   "4044203"	USPAT	2004/03/08 09:14
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		or PVDF	EPO; JPO;	
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_	1	3887031.URPN. and ((((piezo piezo adj (electric\$5	USPAT;	2004/03/08 09:28
	•	electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	200 17 007 00 07.20
		piezoceramic\$5) ) or PZT) or PVDF )	EPO; JPO;	
		prosection metally of the state of	DERWENT	
-	25	(181/29?.ccls. 181/28?.ccls.) and (((piezo piezo adj	USPAT;	2004/03/08 10:31
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
Į.		piezoelectronic\$5 piezoceramic\$5) ) or PZT or PVDF)	EPO; JPO;	
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-	4	4628490.URPN.	USPAT	2004/03/08 09:52
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-	6	5526324.URPN.	USPAT	2004/03/08 09:55
-	6	("4211303"   "4234054"   "5052513"   "5526324"	USPAT	2004/03/08 10:01
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-	!	5315661.URPN.	USPAT	2004/03/08 10:04
-	3	0	USPAT	2004/03/08 10:09
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<u>-</u>	9		USPAT	2004/03/08 10:26
		( 3110202   3130700   4173130   4330233	USI A I	2007/03/00 10:20
		"5984233").PN.		
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-	337	381/190.ccls. and (panel wall structure)	USPAT;	2004/03/08 10:31
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			EPO; JPO;	
	17106	/reconant 7 adi /mode frequenct 7)) and ///niego niego adi	DERWENT	2004/07/09 10:40
-	17108	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	USPAT;	2004/03/08 10:40
		piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF )	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5) ) or PZ1) or PVDF)	EPO; JPO;	
	4945	/reconant 7 adi /mode frequenct 7\\ and ///niero miero adi	DERWENT	2004/07/00 10 40
1	כדעד	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	USPAT; US-PGPUB;	2004/03/08 10:40
		piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF ) and (damp\$3 absorb\$3)	EPO; JPO; DERWENT	
	5418	((((piezo piezo adj		2004/07/09 10:40
-	3710	((thezo piezo ad) (finde frequenc\$5)) and (((thezo piezo ad) (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	USPAT;	2004/03/08 10:40
			US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF ) and (damp\$3 absorb\$3 shunt\$3)	EPO; JPO;	
	4358	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	DERWENT	2004/07/00 10 41
	7330	(((((piezo piezo ad) (deectric\$5)) and ((((piezo piezo ad)	USPAT;	2004/03/08 10:41
		piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF ) and	US-PGPUB;	
		(damp\$3 absorb\$3 shunt\$3) and (panel wall structure)	EPO; JPO;	
_	87	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	DERWENT	2004/03/08 11:17
	07	(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	USPAT; US-PGPUB;	2004/03/06 11:17
		piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF) and	1	
		(damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and	EPO; JPO; DERWENT	
		electric\$4 adj (mode resonan\$3)	DEKWENT	
_	33	· · · · · · · · · · · · · · · · · · ·	USPAT	2004/03/08 10:55
	33	"3991849"   "4155221"   "4491761"   "4518888"	usrAi	2004/03/06 10:33
	}	"4759513"   "4836469"   "4849668"   "4883248"		
		"4967550"   "5025888"   "5052529"   "5102298"		
		"5141392"   "5169288"   "5195046"   "5242130"	[	
		"5270607"   "5315203"   "5348124"   "5370340"		
		"5374011"   "5411370"   "5423658"   "5478199"		
		"5485053"   "5515458"   "5541857"   "6076776"		
		"6102426").PN.		
-	13		USPAT	2004/03/08 10:58
		"4489609"   "4692649"   "4709360"   "4740726"		
		"4780062"   "4833358"   "4879528"   "5061882"		
	,	"5117148").PN.		
-	24		USPAT	2004/03/08 11:01
		"4047060"   "4083433"   "4249421"   "4255965"		
1		"4447493"   "4528652"   "4626730"   "4630072"		
		"4633982"   "4635882"   "4654554"   "4725994"		
		"4795123"   "4849668"   "4865345"   "4883248"		
		"4958100"   "5032753"   "5108802"		<b> </b>
		"5142511").PN.		
-	19		USPAT	2004/03/08 11:06
] -	8		USPAT	2004/03/08 11:09
		"6176544"   "6296303"   "6351962"		
		"6411018").PN.		
L	l		<u> </u>	L

-	8	("4398173"   "4432565"   "5315203"   "5934733"	USPAT	2004/03/08 11:09
		"6176544"   "6296303"   "6351962"		
	450	"6411018").PN.	LICDAT	2004/07/08 11 11
-	652	310/321.ccls.	USPAT;	2004/03/08 11:11
			US-PGPUB;	
			EPO; JPO;	
	1050	/www.m.d.7d. /www.d. 6wa.com.ed 7\\ em.d. ////wiene	DERWENT	2004/07/00 11 10
-	1852	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	USPAT;	2004/03/08 11:18
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and (damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and	EPO; JPO;	
			DERWENT	
	1814	(electric\$4 adj (mode resonan\$3) tun\$3) (resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	USPAT;	2004/03/08 11:19
-	1017	(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	2004/03/06 11:19
		piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF) and	EPO; JPO;	
		(damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and	DERWENT	
		(tun\$3)	DERWENT	
	985	(cesonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	USPAT;	2004/03/08 11:19
	703	(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	2004/03/06 11:19
		piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF) and	EPO; JPO;	
		(damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and	DERWENT	
		(tun\$3) and absorb\$3	DERWENT	
_	77	'	USPAT;	2004/03/08 12:40
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	200 17 0 37 0 0 12.10
		piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF) and	EPO; JPO;	
		(damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and	DERWENT	
		(tun\$3) and absorb\$3 near4 (sound audio noise)		
_	4	, , ,	USPAT	2004/03/08 11:20
		"3400284").PN.		
-	9	2416337.URPN.	USPAT	2004/03/08 11:22
-	18	("2416337"   "4314495"   "4849668"   "4868447"	USPAT	2004/03/08 11:24
		"4869768"   "4876776"   "4922096"   "4940914"		
		"4958100"   "4961627"   "5016333"   "5022272"		
		"5030490"   "5032753"   "5081391"   "5126615"		
-	47		USPAT	2004/03/08 12:04
-	11		USPAT	2004/03/08 12:09
		"5032753"   "5130948"   "5270607"   "5424596"		
	_	"5525853"   "5558477"   "5838092").PN.		
-	4	5838092.URPN.	USPAT	2004/03/08 12:18
-	9	1 10001 10 1 1000001	USPAT	2004/03/08 12:19
		"5485053"   "5519278"   "5838092"   "6116389"		
	10	"6394242").PN.		
-	10		USPAT	2004/03/08 12:27
-	30	("3940553"   "4447493"   "4778028"   "5099962"	USPAT	2004/03/08 12:36
		"5214549"   "5282100"   "5422767"   "5430589"		
		"5473122"   "5483397"   "5485053"   "5517375"		
		"5654847"   "5666239"   "5667204"   "5725931"		
		"5757580"   "5761184"   "5781373"   "5838092"     "5875067"   "5949033"   "5982580"   "RE36806"		
		"6279679"   "6308961").PN.		
_	4		USPAT	2004/03/08 12:38
		"B1 6173805").PN.	usi A i	255 17 557 55 12.56
	6	l ''	USPAT;	2004/03/08 12:40
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	
		or PVDF ) and 181/208.ccls.	EPO; JPO;	
		,	DERWENT	
-	5	("4374172"   "5241512"   "5332061"   "5434783"	USPAT	2004/03/08 12:43
		"5473125").PN.		

-	25	(181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj	USPAT;	2004/03/08 13:01
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF )	EPO; JPO;	
			DERWENT	
-	1747	52/144.ccls. 52/145.ccls.	USPAT;	2004/03/08 13:01
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
l <u>.</u>	1	(52/144.ccls. 52/145.ccls.) and ((((piezo piezo adj	USPAT;	2004/03/08 13:01
]	•	(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	2001/03/00 13:01
		piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF)	EPO; JPO;	
		piezoelectronic#3 piezoceranic#3/ ) of FZ1/ of F4D1/	DERWENT	
	_	("7170997"   "4159797"   "4107479"   "4747001"		0004/07/00 17 04
_	6	("3179823"   "4158787"   "4197478"   "4363991"	USPAT	2004/03/08 13:06
		"4565940"   "4626730").PN.		
-	9		USPAT	2004/03/08 13:49
-	252	310/317.ccls. and resonan\$3 adj (mode frequenc\$3)	USPAT;	2004/03/08 14:01
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	142	310/317.ccls. and resonan\$3 adj (mode frequenc\$3) and	USPAT;	2004/03/08 14:01
		(sound noise acoustic\$4 audibl\$2)	US-PGPUB;	
	1	• • • • • • • • • • • • • • • • • • • •	EPO; JPO;	
	İ		DERWENT	
_	1	"park, chul-hue".in.	USPAT;	2004/03/08 14:01
	•	party charitae ini.	US-PGPUB;	2004/03/00 14.01
			EPO; JPO;	
	61	710/717 cele and reconout 7 ad: (made for even 47) and	DERWENT	0004/07/00 14 04
-	01	310/317.ccls. and resonan\$3 adj (mode frequenc\$3) and	USPAT;	2004/03/08 14:04
		electric\$4 near4 resonan\$3	US-PGPUB;	
	ļ		EPO; JPO;	
	1		DERWENT	
-	12	passive near4 ((((piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/08 14:07
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) ) or PZT) or PVDF ) near4 shunt\$3	EPO; JPO;	
			DERWENT	
-	193	((()	USPAT;	2004/03/08 14:07
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	
		or PVDF ) near4 shunt\$3	EPO; JPO;	
			DERWENT	
-	94	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/08 14:10
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	
		or PVDF ) near4 shunt\$3 and resonan\$3 adj (mode	EPO; JPO;	
		frequenc\$3)	DERWENT	
-	846	mathur.in.	USPAT;	2004/03/08 14:10
			US-PGPUB;	200 1/03/00 14.10
			EPO; JPO;	:
			DERWENT	
<u>-</u>	7	"mathur, gopal".in.	USPAT;	2004/07/09 14:17
	'	mauru, gopar illi		2004/03/08 14:13
			US-PGPUB;	
			EPO; JPO;	
	170	700/390 ania	DERWENT	0004/07/00 44 4
-	170	700/280.ccls.	USPAT;	2004/03/08 14:14
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	24	700/280.ccls. and ((((piezo piezo adj (electric\$5	USPAT;	2004/03/08 14:14
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) ) or PZT) or PVDF )	EPO; JPO;	
			DERWENT	
-	60	4849668.URPN.	<b>USPAT</b>	2004/03/08 14:19
	•			<u> </u>

-	18	("3160549"   "3976269"   "4011356"   "4068736"	USPAT	2004/03/08 14:26
		"4143495"   "4235302"   "4387786"   "4416349"	•	
		"4635882"   "4741945"   "4828202"   "4924969"		
		"5251849"   "5280991"   "5823467"   "5862242"		
		"5904318"   "6031917").PN.	LICDAT	0004/07/00 14 44
_	4	1	USPAT	2004/03/08 14:41
_	24	1	USPAT	2004/03/08 14:45
		"3973146"   "4081626"   "4246449"   "4262399"		
		"4429192"   "4432007"   "4439641"   "4439847"		
e				
		5200707   5241512   5400731     "5619476").PN.		
_	4	l	USPAT	2004/03/08 14:49
	•	"4485356").PN.	USFAT	2004/03/06 14:49
_	5	· ·	USPAT	2004/03/08 14:50
_	960		USPAT;	2004/03/08 14:51
	700	piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	2004/03/00 14.51
		or PVDF) and sound adj (absorb\$4 absorp\$6)	EPO; JPO;	
		de l'est y and sound adj (absorbt l'absorpto)	DERWENT	
1 -	116	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/08 14:51
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	2001/03/00 11.51
		or PVDF) and sound adj (absorb\$4 absorp\$6) AND	EPO; JPO;	
		(shunt\$3 passive\$2)	DERWENT	
-	39		USPAT;	2004/03/08 15:12
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	200 17 057 00 15112
		or PVDF) and sound adj (absorb\$4 absorp\$6) AND	EPO; JPO;	
		(shunt\$3 passive\$2) and resonan\$3 adj (frequenc\$3 mode)	DERWENT	
-	6		USPAT	2004/03/08 14:59
-	7	("4056742"   "4322877"   "4565940"   "4954781"	USPAT	2004/03/08 15:05
		"5091953"   "5115472"   "5142511").PN.		
-	11		USPAT	2004/03/08 15:07
-	137	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/08 15:12
,		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	
		or PVDF ) and 381/71.\$.ccls.	EPO; JPO;	
			DERWENT	
-	78	1111	USPAT;	2004/03/08 16:00
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT)	US-PGPUB;	
		or PVDF) and 381/71.\$.ccls. and (passive\$2 shunt\$3)	EPO; JPO;	
	_		DERWENT	
-	6		USPAT	2004/03/08 15:50
		"5812684"   "6031917").PN.	0	
•	1	6178246.URPN.	USPAT	2004/03/08 15:51
-	1	"4626730".PN.	USPAT	2004/03/08 15:56
-	391	constrained adj layer	USPAT;	2004/03/08 16:00
	ļ		US-PGPUB;	
			EPO; JPO;	
	0.40		DERWENT	
-	268	constrained adj layer adj damp\$3	USPAT;	2004/03/08 16:05
			US-PGPUB;	
	]		EPO; JPO;	
	0.7	(constrained adilares adi dans #7) 4 (((a)	DERWENT	0004/07/00 4/ 5:
-	27	(((Pieze Pieze ma)	USPAT;	2004/03/08 16:01
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF )	US-PGPUB;	
		hierociectrollicae hierocetamicae)   OL ATT) OL AADL	EPO; JPO;	
l <u>.</u>	28	constrain\$3 adj layer adj damp\$3 and ((((piezo piezo adj	DERWENT	2004/07/00 14:05
	20	(((piezo piezo ad) (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	USPAT; US-PGPUB;	2004/03/08 16:05
		piezoelectronic\$5 piezoceramic\$5) ) or PZT) or PVDF )	EPO; JPO;	
		presented onicy's presentainicy's joint light of type	DERWENT	
L	L	<u></u>	PLRMEINI	